



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Applicant(s): Mohsen Sarraf
Mohammad H. Zarrabizadeh
Case: 20-12
Serial No.: 09/396,055
Filing Date: September 15, 1999
Group: 2684
Examiner: Charles Chiang Chow

I hereby certify that this paper is being deposited on this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

Signature: *Linda Shultz* Date: November 25, 2002

Title: Method and Apparatus for Frequency Offset Estimation and Interleaver Synchronization Using Periodic Signature Sequences

AMENDMENT TRANSMITTAL

Assistant Commissioner for Patents
Washington, D.C. 20231

RECEIVED

DEC 04 2002

Technology Center 2600

Sir:

Submitted herewith is an Amendment and Response to Office Action relating to the above-identified patent application. There is no additional claim fee due in connection with the Amendment. In the event of non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Deposit Account No. 50-0762** as required to correct the error. A duplicate copy of this letter is enclosed.

Respectfully,

Kevin M. Mason

Date: November 25, 2002

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Sarraf 20-12

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AMENDMENT AND RESPONSE TO OFFICE ACTION

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SIR:

25 In response to the outstanding Office Action, dated August 14, 2002, please amend the above-identified patent application as indicated below. A version of the claims that has been marked to show all changes is included as an Appendix.

30 IN THE SPECIFICATION:

Please amend the paragraph beginning at page 1, line 5, as follows:

A1 The present invention is related to United States Patent Application Serial Number 09/396,058, entitled "Method And Apparatus For Partial And Course Frequency Offset Estimation In A
35 Digital Audio Broadcasting (DAB) System," filed contemporaneously herewith, assigned to the assignee of the present invention and incorporated by reference herein.

Please amend the paragraph beginning at page 1, line 12, as follows:

A2 40 The present invention relates generally to digital audio broadcasting and other types of digital communication systems, and more particularly, to frequency offset estimation techniques for